Available online at www.sciencedirect.com
SCIENCE DIRECT®
ELSEVIER
Pharmacology, Biochemistry and Behavior 76 (2003) 573–576
PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR
www.elsevier.com/locate/pharmbiochembeh

CONTENTS
VOLUME 76, 2003

CONTENTS VOLUME 76 NUMBER 1 2003

ARTICLES

Haloperidol and clozapine affect social behaviour in rats postnatally lesioned in the ventral hippocampus.
BECKER, A. and G. GRECKSCH 1

Altered glutamate receptor and corticoliberin gene expression in brain regions related to hedonic behavior in rats.
DUNCKO, R., M. SCHWENDT and D. JEZOVA 9

Functional role of exogenous administration of substance P in chronic constriction injury model of neuropathic pain in gerbils.
MEERT, T.F., K. VISSERS, F. GEENEN and V.K. KONTINEN 17

Effects of a partial dopamine D_2-like agonist on the cocaine-induced behavioral sensitization of preweanling rats.
SIBOLE, J.M., P.J. MATEA, C.M. KRALL and S.A. McDOUGALL 27

Flight reactions to nitric oxide in the inferior colliculus of rats depend on NMDA receptor activation.
DE ARAÚJO MOREIRA, F., M.L. MOLCHANOV and F.S. GUIMARÃES 35

GABAergic modulation of the ANG II-induced drinking response in the rat medial preoptic nucleus.
TANAKA, J., S. FUJISAWA and M. NOMURA 43

Role of cholinergic receptors in locomotion induced by scopolamine and oxotremorine-M.
CHINTOH, A., J. FULTON, N. KOZIEL, M. AZIZ, M. SUD and J.S. YEOMANS 53

Restraint accentuates the effects of 5-HT_2 receptor antagonists and a 5-HT_{1A} receptor agonist on lordosis behavior.
UPHOUSE, L., S. WHITE, L. HARRISON, C. HIEGEL, D. MAJUMDAR, J. GUPTARAK and W.A. TRUITT 63

Nicotine–alcohol interactions and attentional performance on an operant visual signal detection task in female rats.
REZVANI, A.H. and E.D. LEVIN 75

Effect of angiotensin IV on the acquisition of the water maze task and ryanodine channel function.
HOLOWNIA, A. and J.J. BRASZKO 85

Social and environmental enrichment enhances sensitivity to the effects of kappa opioids: Studies on antinociception, diuresis and conditioned place preference.
SMITH, M.A., P.A. BRYANT and J.M. McCLEAN 93

Protective effects of pseudoginsenoside-F_{11} on methamphetamine-induced neurotoxicity in mice.
WU, C.F., Y.L. LIU, M. SONG, W. LIU, J.H. WANG, X. LI and J.Y. YANG 103

Studies on the anticonvulsant effect of U50488H on maximal electroshock seizure in mice.
MANOCHA, A., P.K. MEDIRATTA and K.K. SHARMA 111

Prevention of memory loss for a brightness change in adult and middle-aged rats by postacquisition treatment with glucose.
HUGHES, R.N. and L.T. NEESON 119

A novel choice method for studying drugs as punishers.
WOOLVERTON, W.L. 125

Lobeline-induced learning improvement of rats in the radial-arm maze.
LEVIN, E.D. and C.N. CHRISTOPHER 133

0091-3057/$–see front matter © 2003 Elsevier Inc. All rights reserved.

MDMA exposure alters cognitive and electrophysiological sensitivity to rapid tryptophan depletion in rhesus monkeys.
TAFFE, M.A., S. HUITRÓN-RESENDIZ, R. SCHROEDER, L.H. PARSONS, S. J. HENRIKSEN and L.H. GOLD 141

Activation of the immune system in rats with lipopolysaccharide reduces voluntary sucrose intake but not intraoral intake.
CROSS-MELLOR, S.K., S. ROBERTS, M. KAVALIERS and K.-P. OSSENKOPP 153

Adrafinil disrupts performance on a delayed nonmatching-to-position task in aged beagle dogs.
SIWAK, C.T., P.D. TAPP and N.W. MILGRAM 161

Interaction of astemizole, an H_1 receptor antagonist, with conventional antiepileptic drugs in mice.
SWIĄDER, M., M. WIELOSZ and S.J. CZUCZWAR 169

Nicotine and ethanol enhancements of acoustic startle reflex are mediated in part by dopamine in C57BL/6J mice.
LEWIS, M.C. and T.J. GOULD 179

The NO–cGMP–K^+ channel pathway participates in the antinociceptive effect of diclofenac, but not of indomethacin.
ORTIZ, M.I., V. GRANADOS-SOTO and G. CASTAÑEDA-HERNÁNDEZ 187

Associative and nonassociative learning after chronic imipramine in rats.
MOGENSEN, J., G. SVENDSEN, K.T. LAURITSEN, P. ERMENS, A. HASMAN, S. ELVERTORP, P. PLENGE, E. MELLERUP and G. WÖRTWEIN 197

CONTENTS VOLUME 76 NUMBER 2 2003

ARTICLES

Neonatal cholinergic lesions and development of exploration upon administration of the GABAa receptor agonist muscimol in preweaning rats.
SCATTONI, M.L., G. CALAMANDREI and L. RICCERI 213

High-alcohol-drinking rats exhibit persistent freezing responses to discrete cues following Pavlovian fear conditioning.
RORICK, L.M., P.R. FINN and J.E. STEINMETZ 223

Behavioral effects and anatomic correlates after brain injury: A progesterone dose–response study.
GOSS, C.W., S.W. HOFFMAN and D.G. STEIN 231

Pharmacologic and sensorimotor components of satiation in cigarette smoking.
ROSE, J.E., F.M. BEHM, E.C. WESTMAN, J.E. BATES and A. SALLEY 243

Serotonergic and histaminergic mechanisms involved in intralipid drinking?
HARTFIELD, A.W., N.A. MOORE and P.G. CLIFTON 251

GHB differentially affects morphine actions on motor activity and social behaviours in male mice.
MALDONADO, C., M. RODRÍGUEZ-ARIAS, M.A. AGUILAR and J. MIÑARRO 259

Transient behavioral sensitization to nicotine becomes long-lasting with monoamine oxidases inhibitors.
VILLÉGIER, A.-S., G. BLANC, J. GLOWINSKI and J.-P. TASSIN 267

Effect of the gadolinium ion on body fluid regulation.
PEREIRA, D.T.B., P.N. NOZAKI, J.V. MENANI, E. COLOMBARI, L.A. DE LUCA JR. and G.H.M. SCHOORLEMMER 275

Sex-related differences in the enhancement of morphine antinociception by NMDA receptor antagonists in rats.
HOLTMAN JR., J.R., X. JING and E.P. WALA 285

D,L-*cis*-2,3-Pyrrolidine dicarboxylate alters [^{3}H]-L-glutamate binding and induces convulsions in mice.
SINHORIN, V.D.G., M.J.S. CARPES, C. ROEHRS, M.F. ZIMMER, P.D. SAUZEM, M.A. RUBIN, C.R.D. CORREIA and C.F. MELLO 295

Reduction in distractibility with AF102B and THA in the macaque.
O'NEILL, J., D.W. SIEMBIEDA, K.C. CRAWFORD, E. HALGREN, A. FISHER and L.J. FITTEN 301

Mecamylamine acutely increases human intravenous nicotine self-administration.
ROSE, J.E., F.M. BEHM, E.C. WESTMAN and J.E. BATES 307

Behavioral sensitization and long-term neurochemical alterations associated with the fungicide triadimefon.
REEVES, R., M. THIRUCHELVAM, E.K. RICHFIELD and D.A. CORY-SLECHTA 315

Interaction between estradiol replacement and chronic stress on feeding behavior and on serum leptin.
GAMARO, G.D., M.E. PREDIGER, J.B. LOPES and C. DALMAZ 327

Chronic D1 agonist and ethanol coadministration facilitate ethanol-mediated behaviors.
D'SOUZA, M.S., A. IKEGAMI, C.M. OLSEN and C.L. DUVAUCHELLE 335

Chronic stress alters behavior in the conditioned defensive burying test: Role of the posterior paraventricular thalamus.
BHATNAGAR, S., R. HUBER, E. LAZAR, L. PYCH and C. VINING 343

Altered reward value of carbohydrate snacks for female smokers withdrawn from nicotine.
SPRING, B., S. PAGOTO, D. McCHARGUE, D. HEDEKER and J. WERTH 351

Effects of NMDA receptor antagonists on acute μ-opioid analgesia in the rat.
REDWINE, K.E. and K.A. TRUJILLO 361

Morphine-induced conditioned taste aversions: Assessment of sexual dimorphism.
RANDALL-THOMPSON, J.F. and A.L. RILEY 373

CONTENTS VOLUME 76 NUMBERS 3–4 2003

ARTICLES

Behavioral and physiological effects of cocaine in humans following triazolam.
HAGA, J.L., R.W. BAKER and C.R. RUSH 383

Prior exposure to phencyclidine decreases voluntary sucrose consumption and operant performance for food reward.
TURGEON, S.M. and S.G. HOGE 393

Amantadine does not modulate reinforcing, subjective, or cardiovascular effects of cocaine in humans.
COLLINS, E.D., S.K. VOSBURG, C.L. HART, M. HANEY and R.W. FOLTIN 401

Effects of donepezil on DOI-induced head twitch response in mice: Implications for tourette syndrome.
HAYSLETT, R.L. and Y. TIZABI 409

GABAergic agents prevent alpha-melanocyte stimulating hormone induced anxiety and anorexia in rats.
LAKSHMI RAO, T., D.M. KOKARE, S. SARKAR, R.T. KHISTI, C.T. CHOPDE and N. SUBHEDAR 417

Individual self-administration of nicotine by rats.
DADMARZ, M. and W.H. VOGEL 425

Inhibition mechanism of *S*-adenosylmethionine-induced movement deficits by prenylcysteine analogs.
LAMANGO, N.S., L.T. AYUK-TAKEM, R. NESBY, W.-Q. ZHAO and C.G. CHARLTON 433

Clonazepam increases in vivo striatal extracellular glucose in diabetic rats after glucose overload.
GOMEZ, R. and H.M.T. BARROS 443

Neurosteroid consumption has anxiolytic effects in mice.
FINN, D.A., A.J. ROBERTS, S. LONG, M. TANCHUCK and T.J. PHILLIPS 451

Synergistic effects between codeine and diclofenac after local, spinal and systemic administration.
JIMÉNEZ-ANDRADE, J.M., M.I. ORTIZ, J. PÉREZ-URIZAR, P. AGUIRRE-BAÑUELOS, V. GRANADOS-SOTO and G. CASTAÑEDA-HERNÁNDEZ 463

Enhancement of learning processes following an acute modafinil injection in mice.
BÉRACOCHÉA, D., A. CELERIER, M. PERES and C. PIERARD 473

Environmental enrichment lowers stress-responsive hormones in singly housed male and female rats.
BELZ, E.E., J.S. KENNELL, R.K. CZAMBEL, R.T. RUBIN and M.E. RHODES 481

Effects of *Ginkgo biloba* on corticosterone stress responses after inescapable shock exposure in the rat.
MARKUS, C.R. and J.H.C.M. LAMMERS 487

Repeated experience with naloxone facilitates acute morphine withdrawal: Potential role for conditioning processes in acute opioid dependence.
SCHULTEIS, G., A.C. MORSE and J. LIU 493

Amphetamine modulation of paced mating behavior.
GUARRACI, F.A. and A.S. CLARK 505

7-OH-DPAT selectively reduces intake of both chow and high fat diets in different food intake regimens.
MCQUADE, J.-A.M., S.C. BENOIT, S.C. WOODS and R.J. SEELEY 517

***Hypericum perforatum* extract demonstrates antioxidant properties against elevated rat brain oxidative status induced by amnestic dose of scopolamine.**
EL-SHERBINY, D.A., A.E. KHALIFA, A.S. ATTIA and E.E.-D.S. ELDENSHARY 525

Oestrogen receptor-β and neurohypophysial hormones: Functional interaction and neuroanatomical localisation.
FORSLING, M.L., I. KALLÓ, D.E. HARTLEY, L. HEINZE, R. LADEK, C.W. COEN and S.E. FILE 535

Acquisition of lever pressing for cocaine in C57BL/6J mice: Effects of prior Pavlovian conditioning.
GRIFFIN III, W.C. and L.D. MIDDAUGH 543

Behavioral effects of dopamine agonists and antagonists in MPTP-lesioned D3 receptor knockout mice.
YARKOV, A.V., D. HANGER, M. REPLOGE and J.N. JOYCE 551

Activation of GABAA and opioid receptors reduce penile erection induced by hexarelin peptides.
SUCCU, S., M.S. MASCIA, T. MELIS, M.R. MELIS, R. DEGHENGHI and A. ARGIOLAS 563

Contents of Volume 76 573

Author Index 577

Keyword Index 579